FOSTEX

LR16
LIVE RECORDING MIXER

Another first from FOSTEX! 16/4/2 Live mixer with integrated 16-track multi-track recorder for schools, houses of worship, clubs, coffee houses, project studios, mobile recording, rental sound / recording, etc. The LR16 can serve as a F.O.H. or onstage mixer for the main sound system, and record the signals with the quality superior to Audio CD onto its built-in HD at the press of a button! Records individual WAV tracks files as well as a simultaneous stereo mixdown.

Main Features

● Intuitive analog-like mixer operation in digital domain with 16 input faders + 4 bus faders + Master fader
● Built-in 80GB HD for approx. 16 hours of 16-track uncompressed digital recording (16bit/44.1kHz)
● One hit of "REC" button starts 16-track recording immediately
● Multitracks and Stereo Mix can be recorded simultaneously
● Connector Box (recorder + I/O) and Controller (mixer section) can be separated via off-the-shelf CAT5 cable up to 50m (164ft). Just one cable from I/O box on the stage to the F.O.H. mixer controller instead of heavy snake cable
● Choice of MTR-like stand-alone integration or separated rack mounting
● FAT32 formatted HD can be mounted on PC or Mac via USB
● Digitally controlled TRIM with LIMITER on all the 16 channels
● 3-band EQ on all the 16 channels
● Built-in Master Effects (Reverb/Delay)
● USB Host connector to dump recorded data to USB flash memory for easy data transfer to PC or Mac.
● 10 keys on the Recorder panel for instant playback

LR16

LIVE RECORDING MIXER

Main Specifications

Input and Output (I/O Box)
0dBu = 0.775Vrms, 0dBV = 1.0Vrms
Microphone Input (1~16)
  Connectors: XLR3-31, balanced (combo)
  Nominal input level: -60dBu ~ 12dBu
  Input impedance: more than 1.5kΩ
  Phantom Power: P48V (1-8CH & 9-16CH switchable, on/off)
Line Input (1~16)
  Connector: φ6.3mm TRS Phone, balanced (combo)
  Nominal input level: -40dBu ~ +8dBu
  Input impedance: more than 10kΩ
Insert (1~8)
  Connector: φ6.3mm TRS Phone (Tip: Output, Ring: Input)
  Load Impedance: more than 10kΩ
  Nominal Output Level: -10dBV
  Input Impedance: -more than 10kΩ
  Nominal Input Level: -10dBV
Stereo Bus Out (L,R)
  Connector: XLR3-31, balanced
  Reference Output Level: +4dBu
  Load Impedance: more than 10kΩ
Group Bus Out (1~4)
  Connector: φ6.3mm TRS Phone, balanced
  Reference Output Level: +4dBu
  Load Impedance: more than 10kΩ
Aux Send (1~3)
  Connector: φ6.3mm Phone, unbalanced
  Reference Output Level: -2dBu
  Load Impedance: more than 10kΩhm
Effect Send
  Connector: φ6.3mm Phone, unbalanced
  Reference Output Level: -2dBu
  Load Impedance: more than 10kΩhm
Rec Out (L,R)
  Connector: RCA, unbalanced
  Reference Output Level: -10dBV
  Load Impedance: more than 10kΩhm
Foot Switch
  Connector: φ6.3mm Phone
USB (Device) USB2.0 Hi-Speed for PC connection
  Connector: B type

USB (Host) USB2.0 Hi-Speed for storage connection
  Connector: A type
MIDI Out
  Connector: DIN 5-pin
To Control Box
  Connector: RJ45(CAT5, straight)
Input and Output (Controller Box)
Phone
  Connector: φ6.3mm Stereo Phone
  Load Impedance: more than 32Ω
Monitor Out (L,R)
  Connector: φ6.3mm Phone, unbalanced
  Reference Output Level: -12dBV
  Load Impedance: more than 10kΩ
Sub In (L,R)
  Connector: RCA, unbalanced
  Reference Input Level: -10dBV
  Input Impedance: more than 10kΩ
To I/O Box
  Connector: RJ45(CAT5, straight)
Recording / Playback
Recording media: Internal 3.5"HD (80GB)
Sampling Frequency: 44.1 / 48kHz
Quantization: 16bit / 24bit
Number of recording tracks: 1 ~ 16
Recording Time: approx. 16 hours (80GB HD, 16bit / 44.1kHz, 16 tracks)
File System: FAT32(WAV)
Frequency response: 20Hz~20kHz +1dB, -2dB (44.1/48kHz)
S/N: Line (Trim Min) 95dB or more (typical)
                      Mic (Trim Max) 90dB or more (typical)
Dynamic range: 100dB or more (Trim Min)(typical)
T.H.D.:   Mic (Trim Max) -> ST Out: 0.01% or less (1kHz, -2dBFS)
                      Line (Trim Min) -> ST Out: 0.01% or less (1kHz, -2dBFS)
                      Line (Trim Min) -> Phones 0.1% or less (1kHz, 70mW, 32Ω)

General
Dimensions: 482 (W) x 136(H) x 570 (D) mm
Weight: Approx. 13kg (29lbs.)
Power Requirement: JPN 100VAC, USA 120VAC, UK/EUR 230VAC
Power Consumption: 60W